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## Listing of Claims

This listing of claims replaces all prior versions, and listings, of claims in the application:

(Currently Amended) A system, comprising:

an interference pattern generator to generate, at a first location, an interference pattern including an interference fringe;

a spatial filter to limit, at least in part, the area at the first location actually illuminated by the interference pattern; and

a positioner to displace the actually illuminated area across the first location in a direction crossing the interference fringe and to maintain a substantially constant position of the interference pattern relative to the first location despite the displacement.

2. (Original) The system of claim 1, wherein: the interference pattern generator is to generate an interference pattern to illuminate a substrate at the first location;

the spatial filter is to limit the area of the substrate actually illuminated by the interference pattern; and

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the positioner is to displace the actually illuminated area across the substrate in a direction crossing the interference fringe and to maintain the substantially constant position of the interference pattern relative to the substrate despite the displacement.

- 3. (Original) The system of claim 1, wherein the positioner is to maintain the position of the interference pattern relative to the first location constant to within a pitch of the interference pattern in the illuminated area.
- 4. (Original) The system of claim 3, wherein the positioner is to maintain the position of the interference pattern relative to the first location constant to within 1% of the pitch of the interference pattern in the illuminated area.
- 5. (Original) The system of claim 1, wherein the positioner comprises:
- a first positioner to displace the interference pattern in a direction D relative to the spatial filter; and
- a second positioner to displace the substrate in the direction D relative to the spatial filter.
- 6. (Original) The system of claim 1, wherein the positioner comprises a spatial filter positioner to displace the

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spatial filter relative to the interference pattern and the substrate.

- 7. (Original) The system of claim 1, further comprising a pitch controller to control a pitch of the interference pattern.
- 8. (Original) The system of claim 1, wherein the spatial filter comprises an aperture having a first dimension and a second dimension, the first dimension being greater than the second dimension and oriented to allow two or more wavefronts forming the interference pattern to illuminate the substrate at a substantially uniform angle.
- 9. (Original) The system of claim 1, wherein the positioner comprises a closed loop control system to maintain the substantially constant position of the interference pattern relative to the first location.
- 10. (Original) The system of claim 1, wherein the positioner is to displace the actually illuminated area across the first location in a direction substantially perpendicular to the interference fringe.

Claims 11-25. (Canceled)

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26. (Withdrawn) A system, comprising:

an interference pattern generator to generate an interference pattern to illuminate a first location;

a spatial filter to limit, at least in part, the area at the first location actually illuminated by the interference pattern; and

a pitch controller to control a pitch of the interference pattern to achieve a desired pitch in the illuminated area.

- 27. (Withdrawn) The system of claim 26, further comprising a positioner to displace the illuminated area across the first location.
- 28. (Withdrawn) The system of claim 27, wherein:
  the interference pattern is to include an interference
  fringe; and

the positioner comprises a positioner to displace the illuminated area across the first location in a direction crossing the interference fringe.

29. (Withdrawn) The system of claim 27, wherein the pitch controller comprises a control loop to dynamically control the pitch as the illuminated area is displaced across the substrate.

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- 30. (Withdrawn) The system of claim 26, wherein the pitch controller is to control the pitch of the interference pattern to achieve a substantially constant pitch in the illuminated area.
- 31. (New) The system of claim 1, wherein the interference pattern generator comprises a source of electromagnetic radiation suitable for exposing a photoresist.
- 32. (New) The system of claim 2, wherein the substrate comprises a photoresist that is sensitive to an electromagnetic radiation that forms the interference pattern generated by the interference pattern generator.
- 33. (New) The system of claim 7, wherein the pitch controller comprises a control loop to dynamically control the pitch as the illuminated area is displaced across the substrate.
- 34. (New) The system of claim 7, wherein the pitch controller is to control the pitch of the interference pattern to achieve a substantially constant pitch in the illuminated area.